



AP 1618  
JFW

## PATENTS

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ward B. Bowen                      Atty. Docket: 87312.000003  
Serial No.: 09/876,322                      Examiner: Pak, John D.  
Filed: June 7, 2001                      Art Unit: 1616  
Title: A METHOD AND COMPOSITION FOR THE ACCELERATED IN VIVO  
REMOVAL OF ETHANOL

### RESPONSE AFTER FINAL REJECTION

Mail Stop AF  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action (FINAL) mailed May 20, 2004 please  
amend the above-identified application as follows

#### In the Claims

1     **(Previously Presented)** A composition for accelerating in vivo  
oxidation of alcohol, the composition comprising  $\text{NAD}^+$  and a catalyst comprising  
at least one of a species selected from the group consisting of a multivalent  
transition metal ion, and a complex thereof excluding manganese, iron,  
chromium, copper and zinc; the species being in a state selected to accelerate in  
vivo oxidation of alcohol in the absence of a dehydrogenase where said catalyst  
effects the oxidation of  $\text{NADH}$ , thus recycling  $\text{NAD}^+$  and the composition having a  
sufficient quantity of the transition metal ion to provide an in vivo concentration of  
the ion in the range 0.05% to 2% of a maximum in vivo molar concentration of  
ethanol.

2.     **(Cancelled)**

OK to  
Enter  
DD  
8/9/04